

Supplementary Table S14. The performance for composite clinical models to predict infection risk in ACLF with incrementally reduced feature subsets evaluated by RF-RFE.

Feature numbers	AUC	Accuracy	Specificity	Recall	Precision	F1 score
3	0.757	0.672	0.561	0.758	0.689	0.720
5	0.744	0.669	0.571	0.746	0.692	0.716
7	0.784	0.696	0.601	0.771	0.714	0.737
9	0.787	0.705	0.607	0.782	0.721	0.747
11	0.781	0.707	0.596	0.794	0.717	0.751
13	0.781	0.701	0.632	0.755	0.726	0.737
15	0.785	0.714	0.617	0.791	0.728	0.755

Note: ACLF, acute-on-chronic liver failure; AUC, area under the ROC curve; RF, random forest; RFE, recursive feature elimination.